PROJECT		**POSITION COMPUTATION (UTM GRID)**
		For use of this form, see FM 3-34.331; the proponent agency is TRADOC.

LOCATION	ORGANIZATION

SPHEROID	ZONE	CENTRAL MERIDIAN	

	t 2 to 3					t 3 to 2		
	∠ 2					∠ 3		
Sin t (2 to 1)	t 2 to 1			Sin t (3 to 1)		t 3 to 1		
Cos t (2 to 1)	∠ 1			Cos t (3 to 1)				
N $_2$	2	E $_2$		N $_3$	3	E $_3$		
ΔN	S	ΔE		ΔN	S	ΔE		
N $_1$	1	E $_1$		N $_1$	1	E $_1$		

	t 2 to 3					t 3 to 2		
	∠ 2					∠ 3		
Sin t (2 to 1)	t 2 to 1			Sin t (3 to 1)		t 3 to 1		
Cos t (2 to 1)	∠ 1			Cos t (3 to 1)				
N $_2$	2	E $_2$		N $_3$	3	E $_3$		
ΔN	S	ΔE		ΔN	S	ΔE		
N $_1$	1	E $_1$		N $_1$	1	E $_1$		

	t 2 to 3					t 3 to 2		
	∠ 2					∠ 3		
Sin t (2 to 1)	t 2 to 1			Sin t (3 to 1)		t 3 to 1		
Cos t (2 to 1)	∠ 1			Cos t (3 to 1)				
N $_2$	2	E $_2$		N $_3$	3	E $_3$		
ΔN	S	ΔE		ΔN	S	ΔE		
N $_1$	1	E $_1$		N $_1$	1	E $_1$		

$\Delta N = S \cos t$ $\Delta E = S \sin t$

COMPUTED BY	DATE *(YYYYMMDD)*	CHECKED BY	DATE *(YYYYMMDD)*

DA FORM 1938, 1 FEB 1957

APD LC v1.02ES